Title (en)

Electric power steering system

Title (de)

Elektrische Servolenkung

Title (fr)

Système de direction assistée électrique

Publication

EP 2275322 A3 20110316 (EN)

Application

EP 10169240 A 20100712

Priority

JP 2009165014 A 20090713

Abstract (en)

[origin: EP2275322A2] In an electric power steering system, an ECU 11 includes two independent microcomputers 17a, 17b that serve as motor control signal generators, and the microcomputers 17a, 17b perform the same current feedback computation. Switching arms 20a, 20b that constitute a driving circuit 18 operate independently of each other, based on motor control signals generated by the corresponding microcomputers 17a, 17b. Each of the microcomputers 17a, 17b determines whether an absolute value of a current deviation of an actual current 1 (I1, I2) from a current command value exceeds a predetermined threshold value. If the current deviation exceeds the threshold value, it is determined that an abnormality occurs in the system.

IPC 8 full level

B62D 5/04 (2006.01)

CPC (source: EP)

B62D 5/0487 (2013.01); **B62D 5/0493** (2013.01)

Citation (search report)

- [A] US 2006076182 A1 20060413 - KIFUKU TAKAYUKI [JP], et al
- [A] US 2002177932 A1 20021128 - KIFUKU TAKAYUKI [JP], et al
- [A] US 4621327 A 19861104 - DOLPH DARREL A [US], et al

Cited by

EP3388280A1; US10266129B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2275322 A2 20110119; **EP 2275322 A3 20110316**; **EP 2275322 B1 20121107**; CN 101954925 A 20110126; CN 101954925 B 20140618; JP 2011020481 A 20110203; JP 5326889 B2 20131030; US 2011010051 A1 20110113; US 8554411 B2 20131008

DOCDB simple family (application)

EP 10169240 A 20100712; CN 201010224542 A 20100707; JP 2009165014 A 20090713; US 82852710 A 20100701